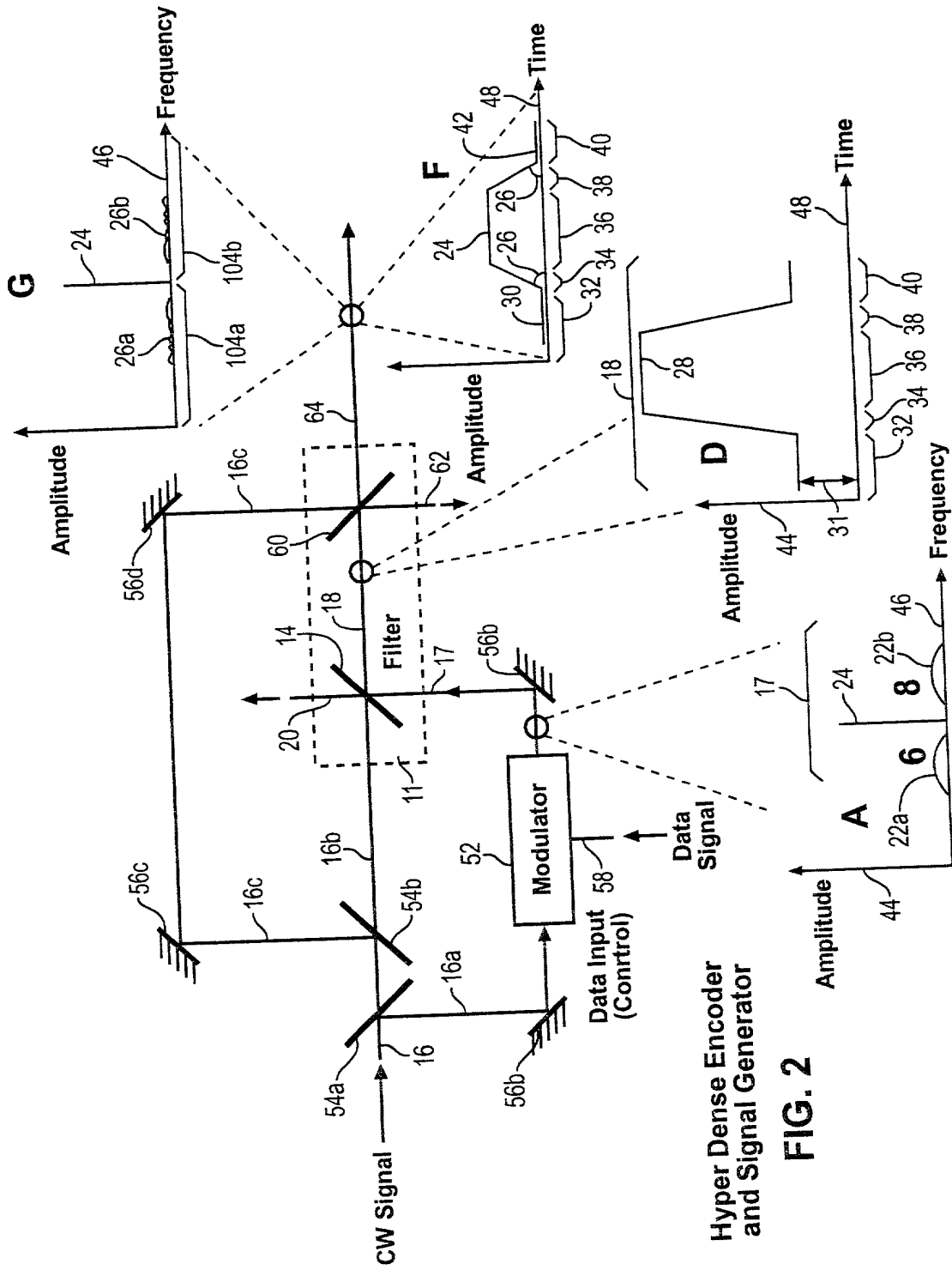


FIG. 1



Hyper Dense Encoder and Signal Generator

FIG. 2

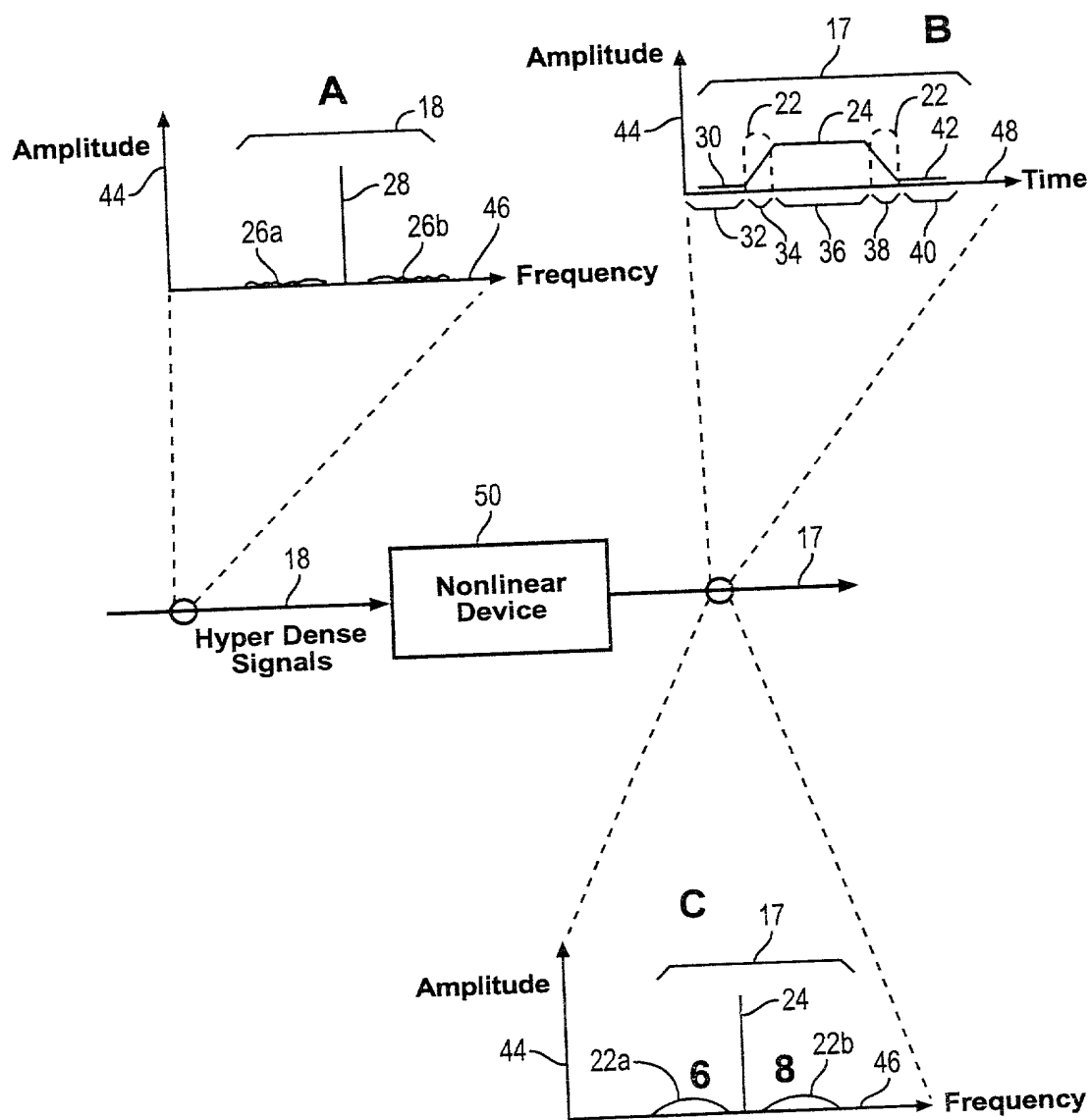


FIG. 3

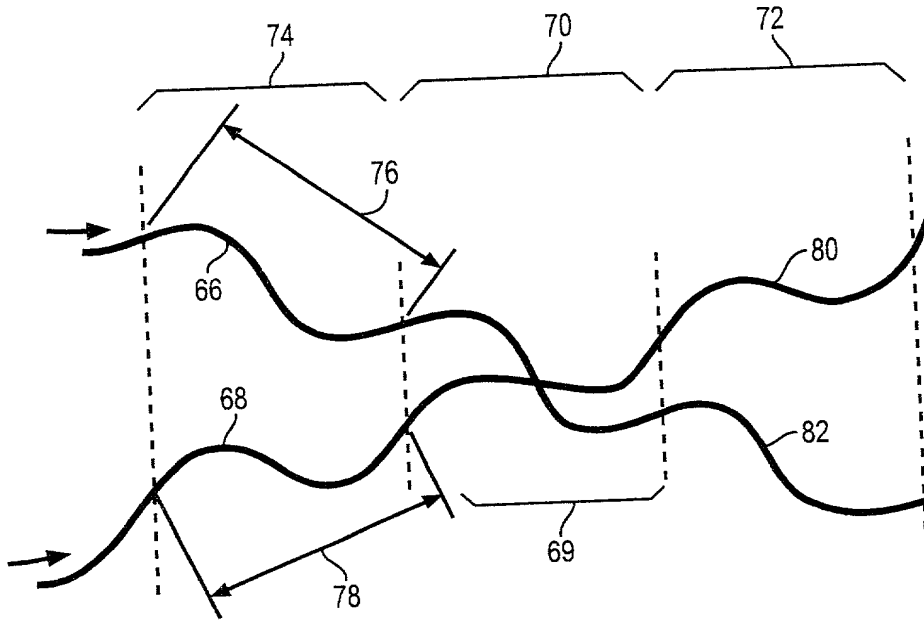


FIG. 4

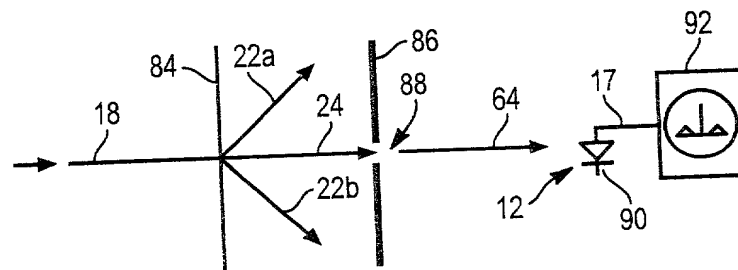
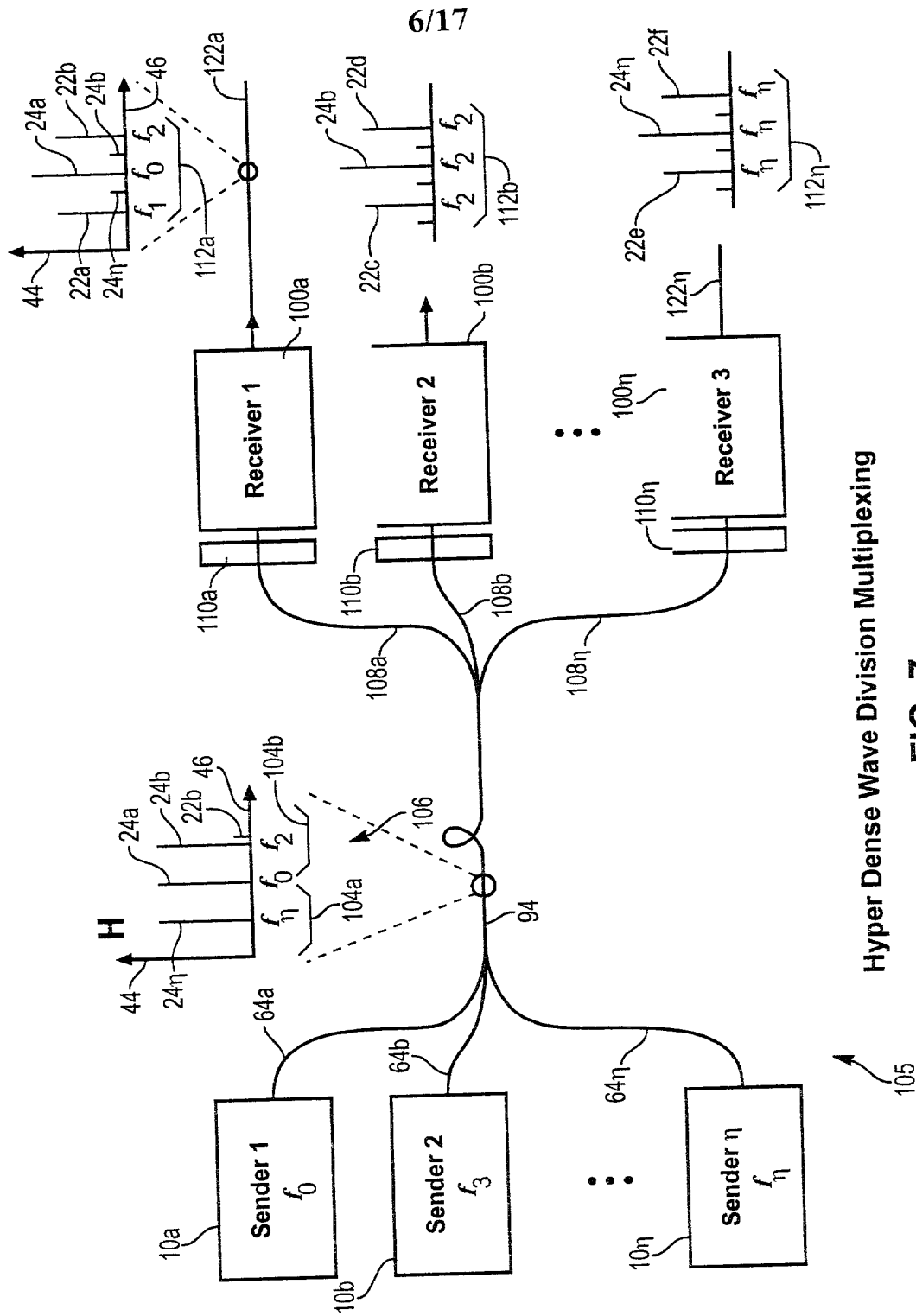


FIG. 5





Hyper Dense Wave Division Multiplexing

FIG. 7

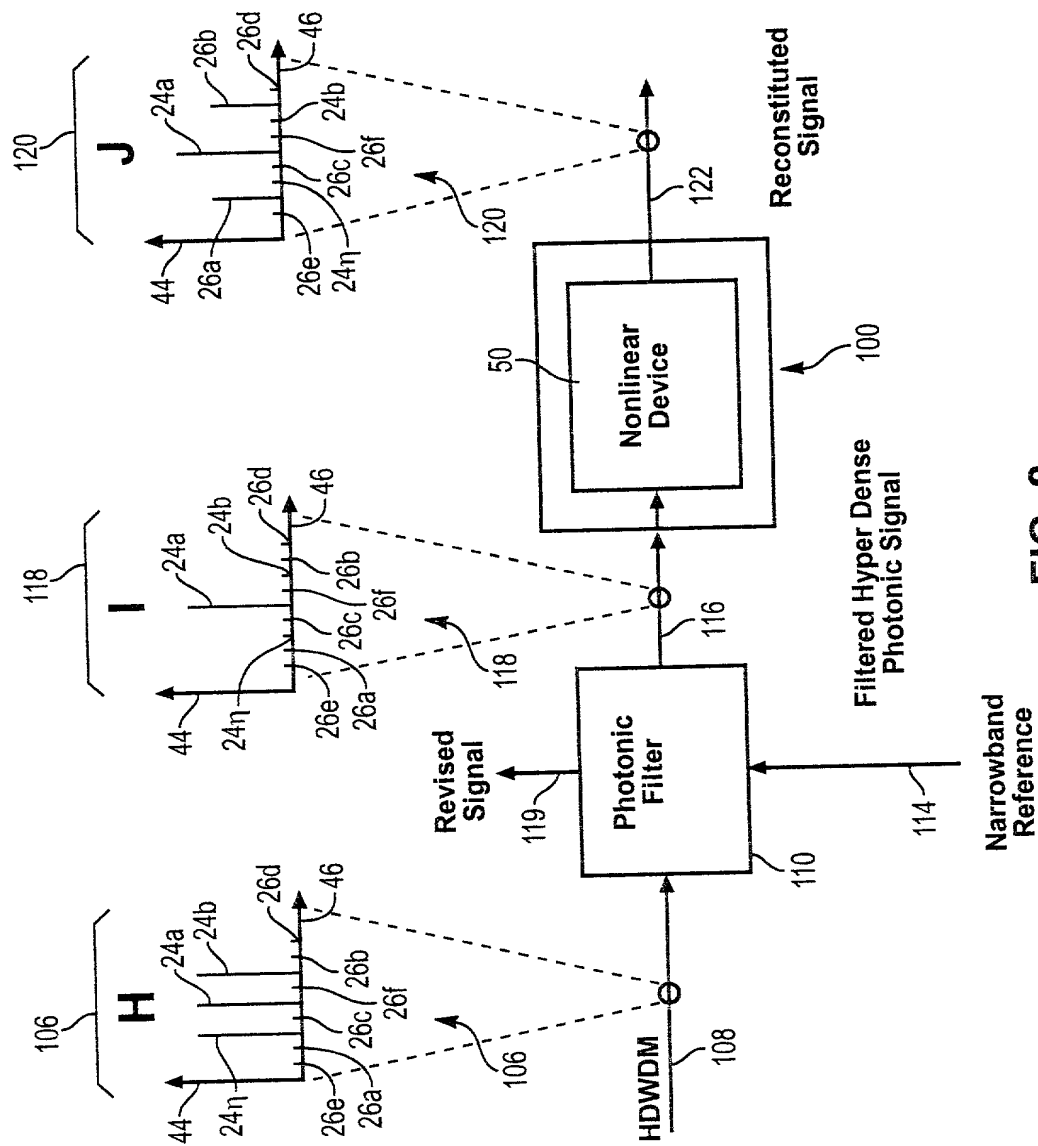


FIG. 8

Hyper Dense Wave Division Demultiplexor (HDWDDM)
Using Drop-Filter Band Selection

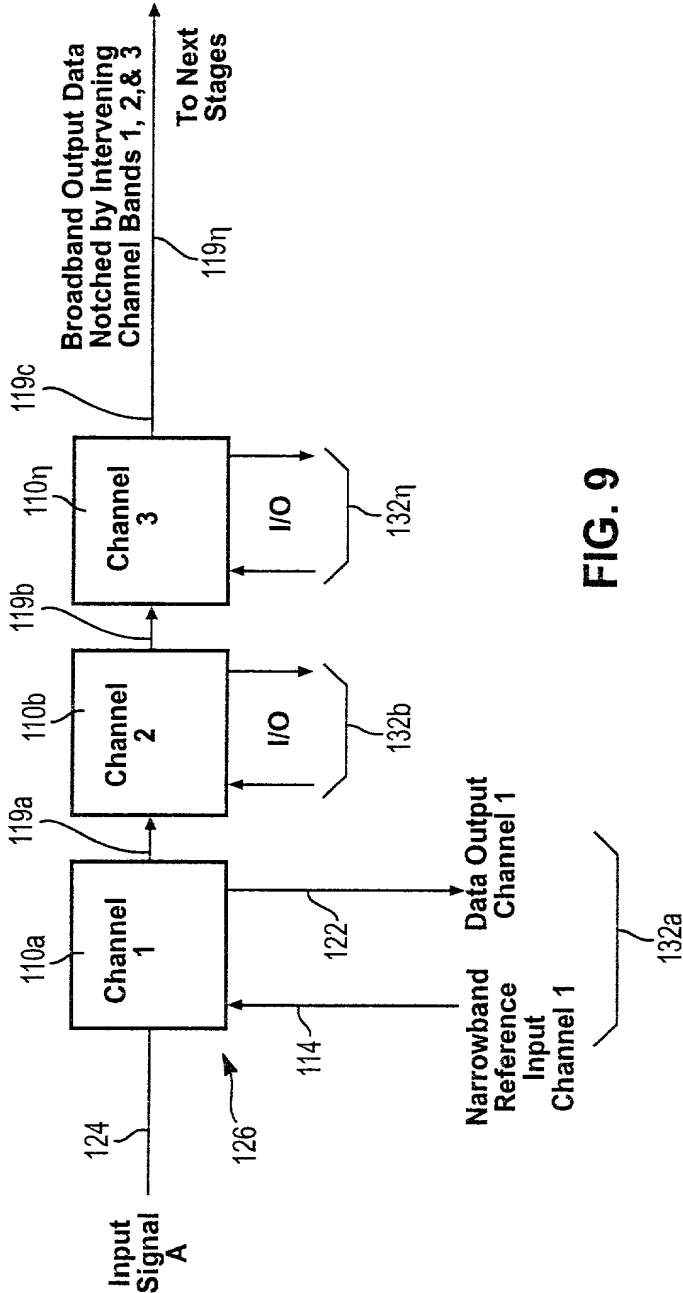


FIG. 9

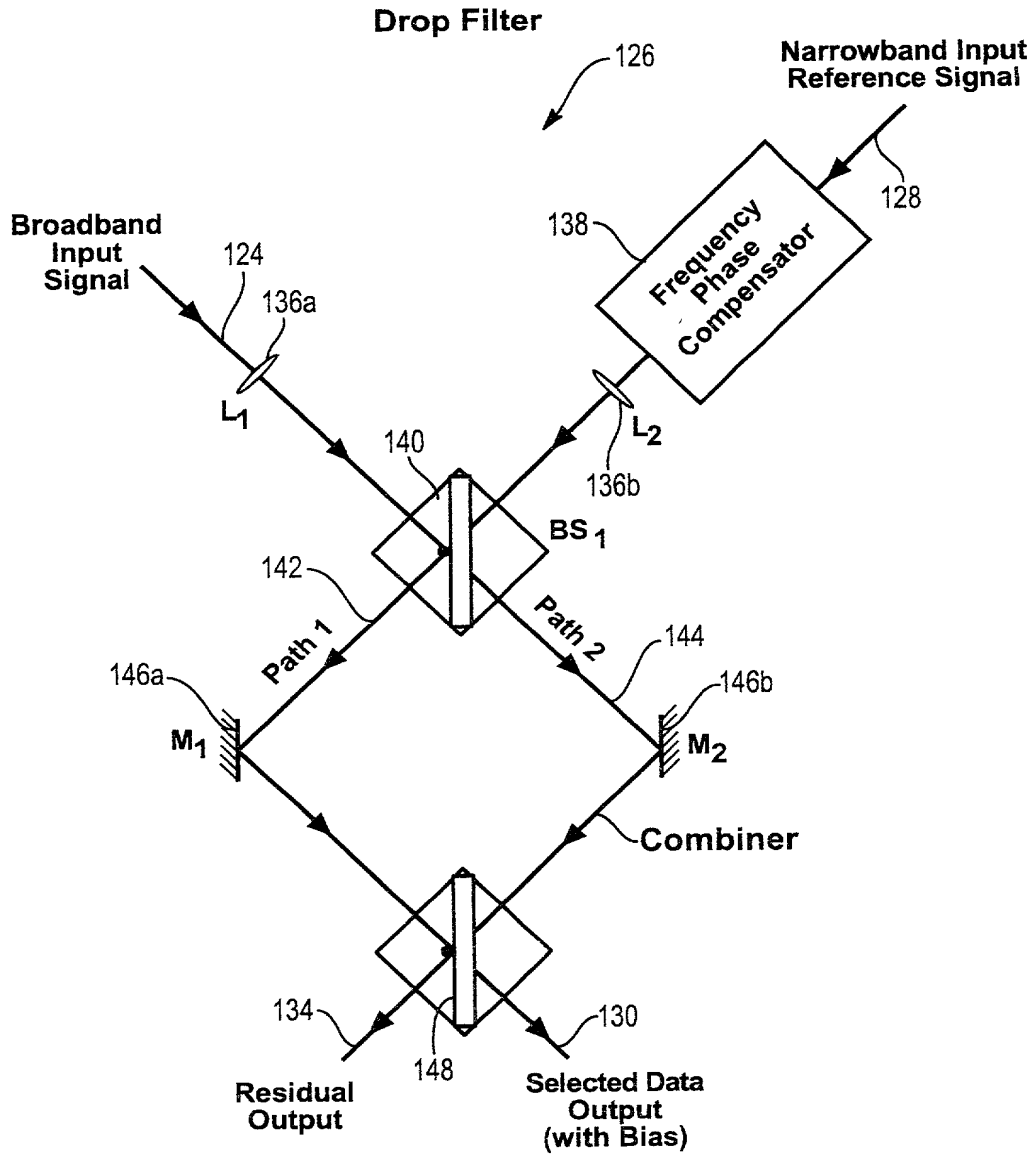


FIG. 10

Super Hyper Wave Division Demultiplexor (HDWDDM) Using Drop Filter Band Selection

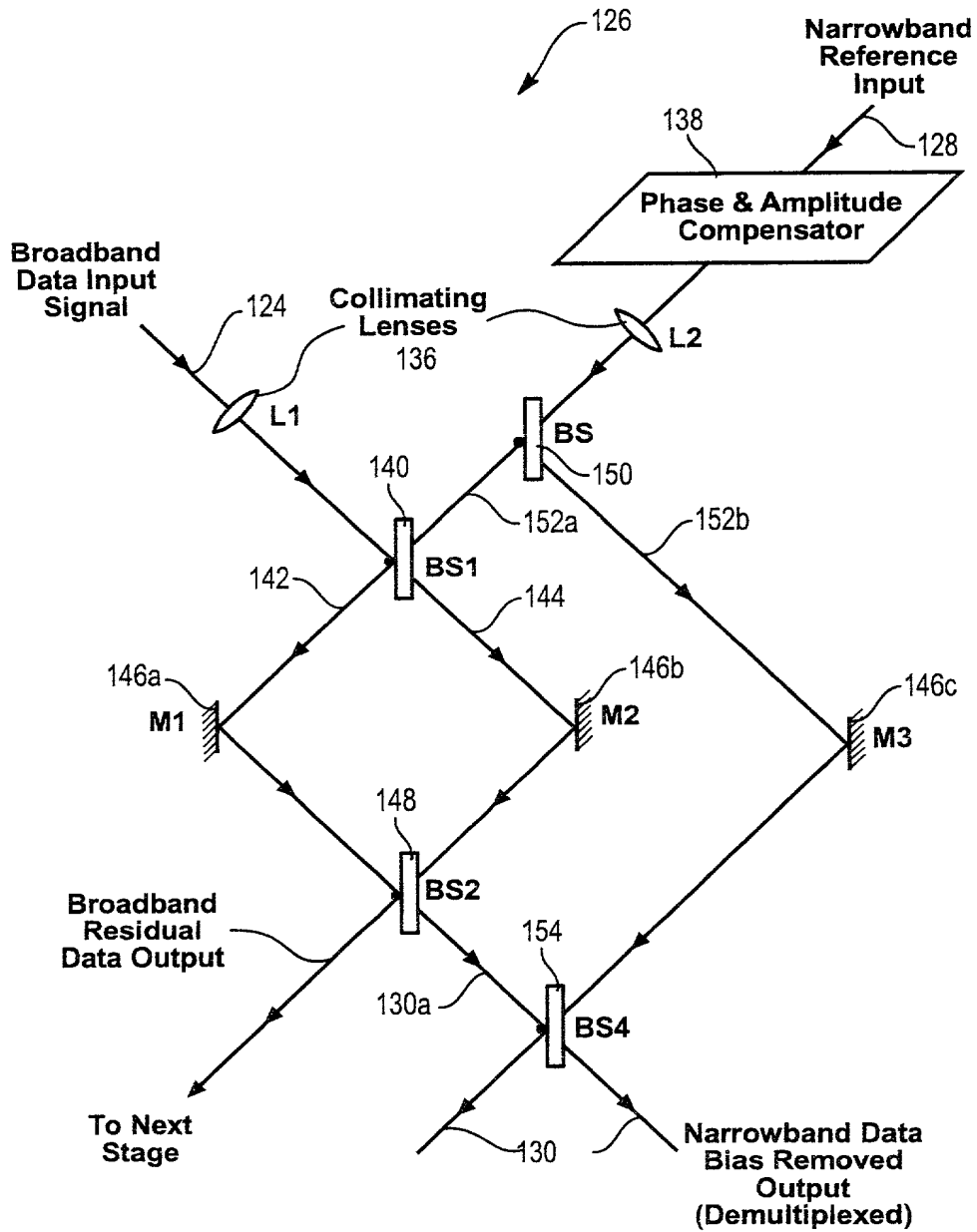
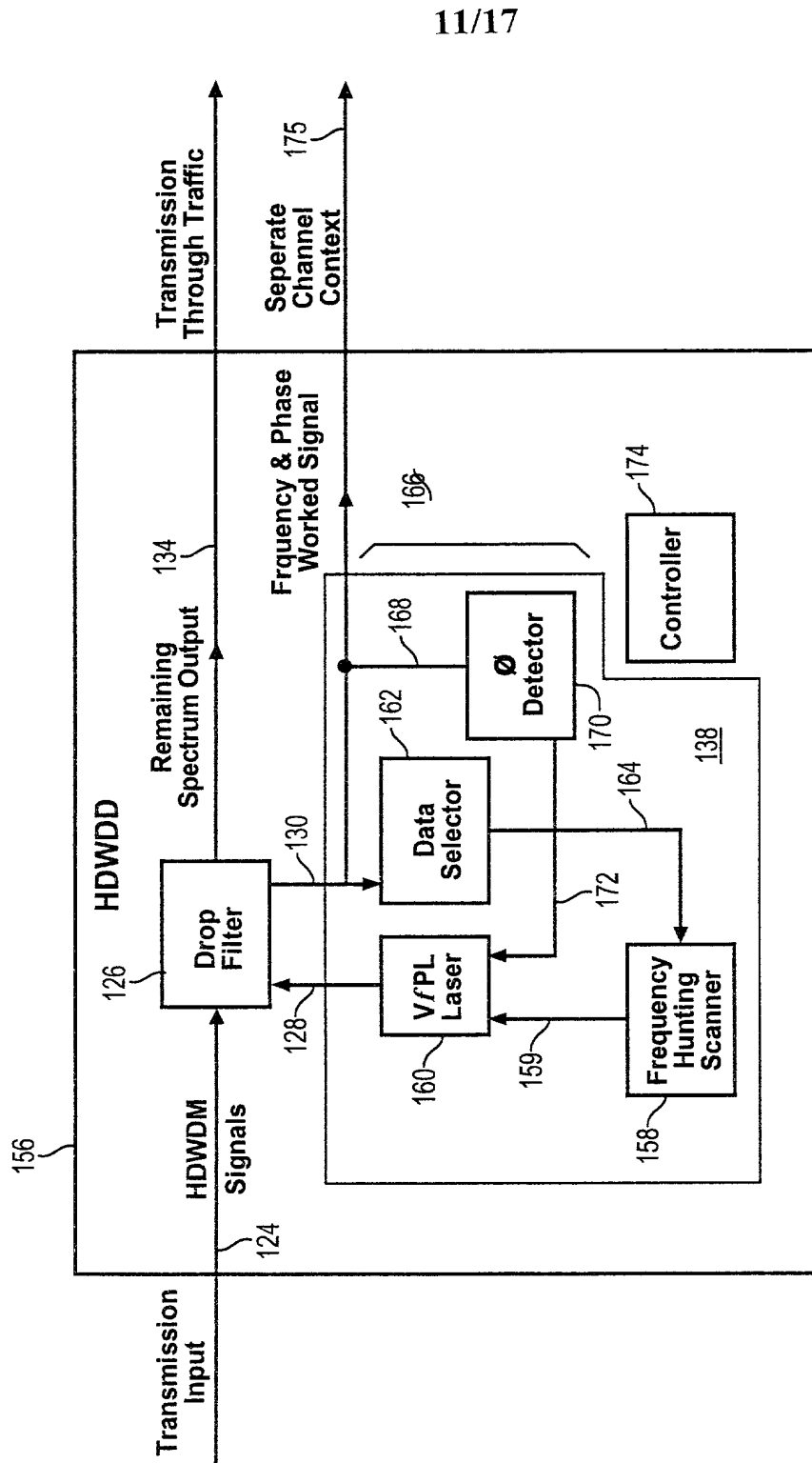


FIG. 11



Hyper Dense Channel Separator

FIG. 12

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Channel-Selection Process

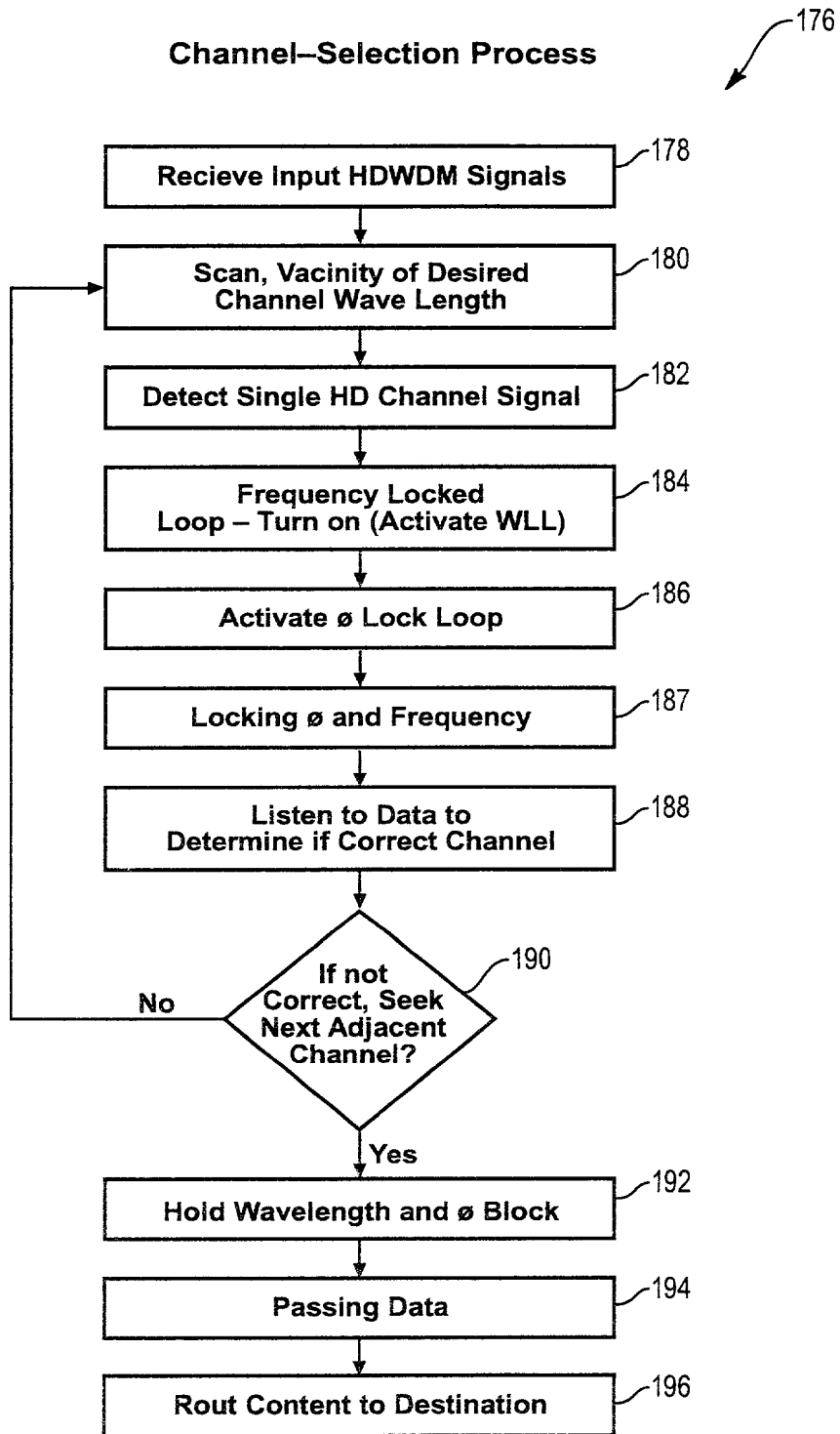
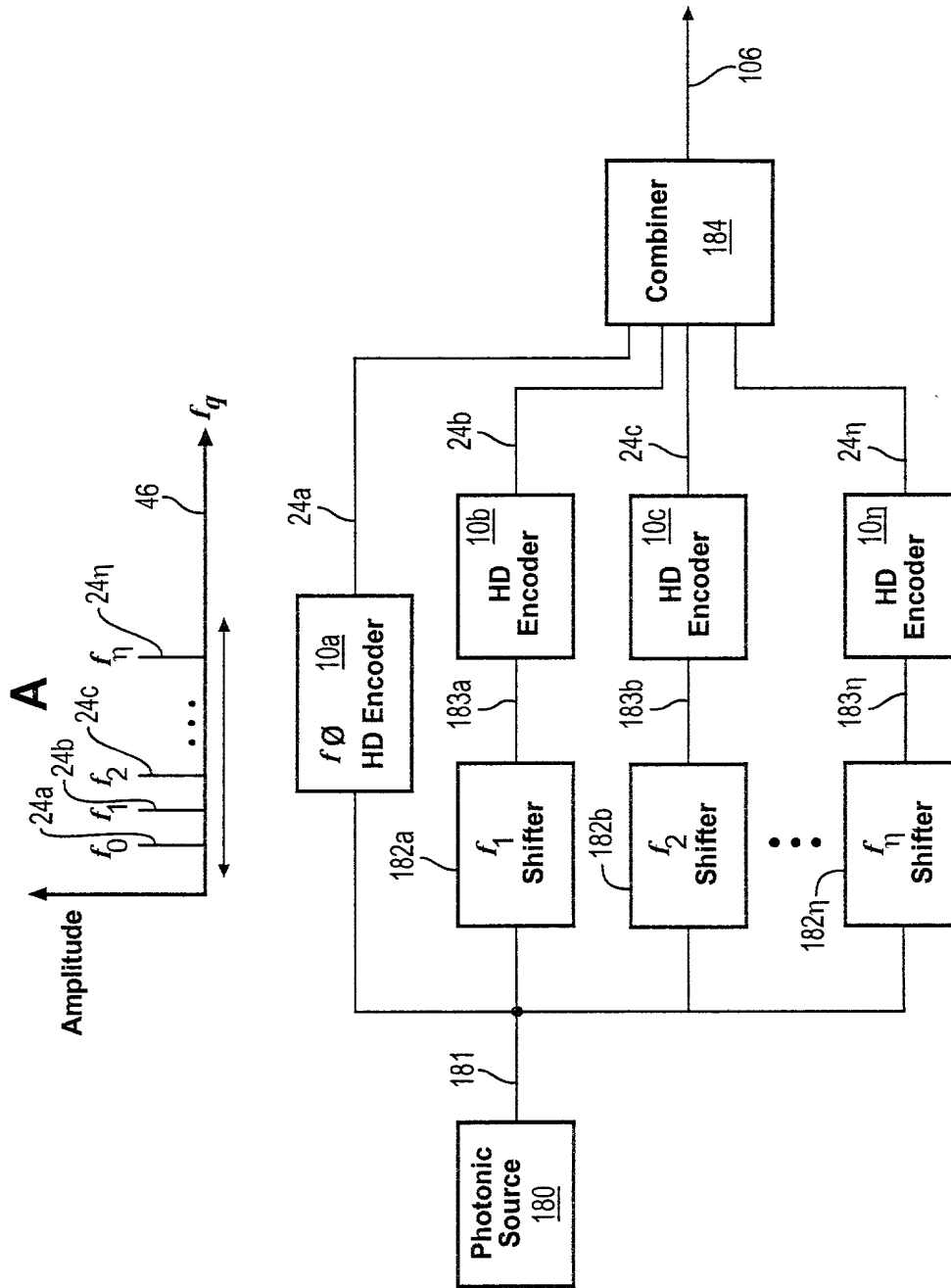
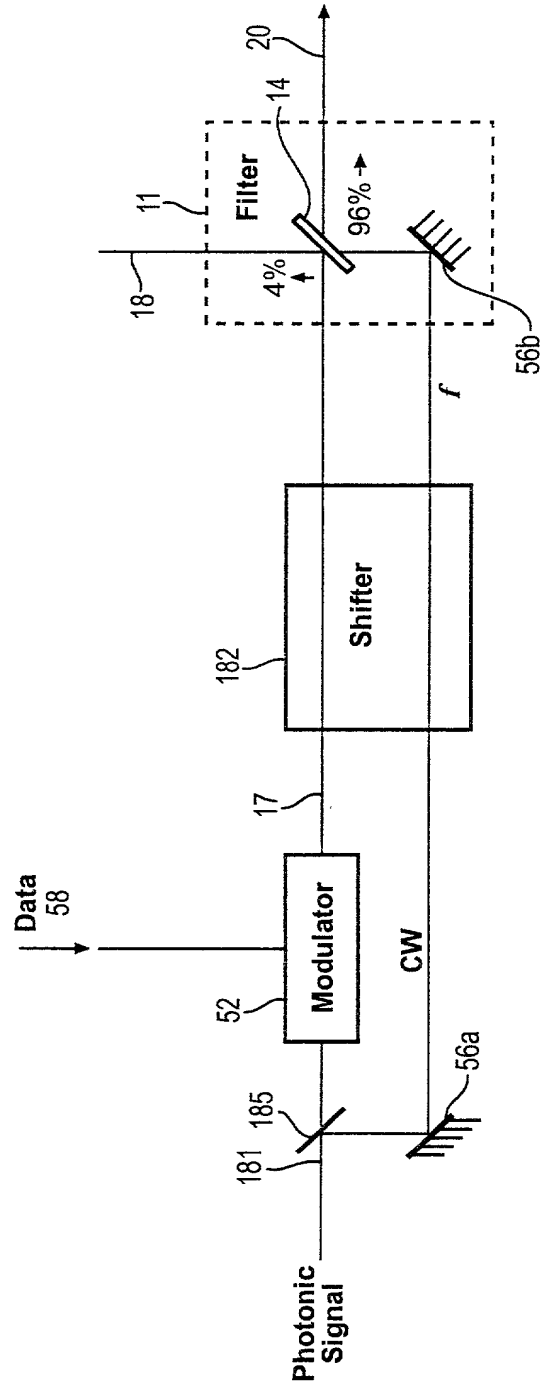


FIG. 13



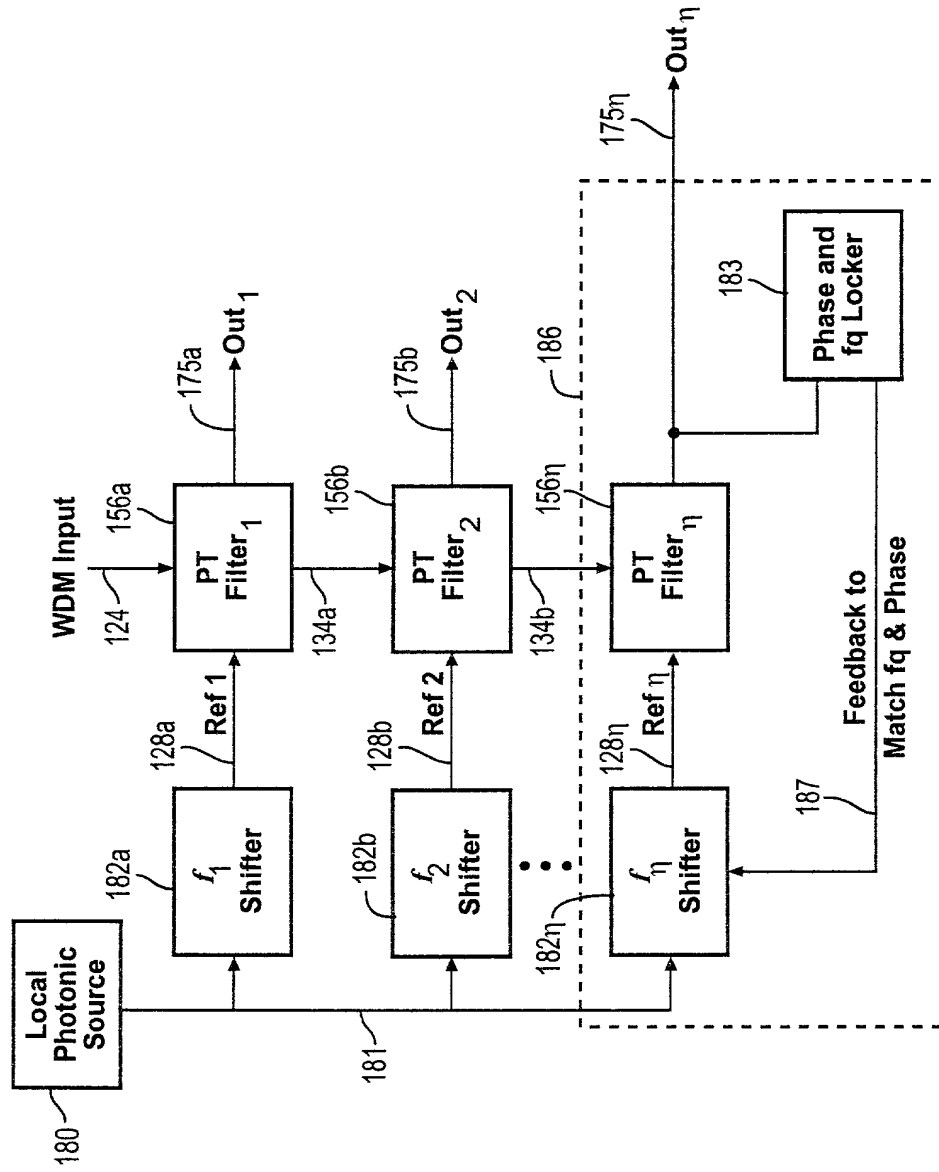
HDWDM Multiplexer

FIG. 14



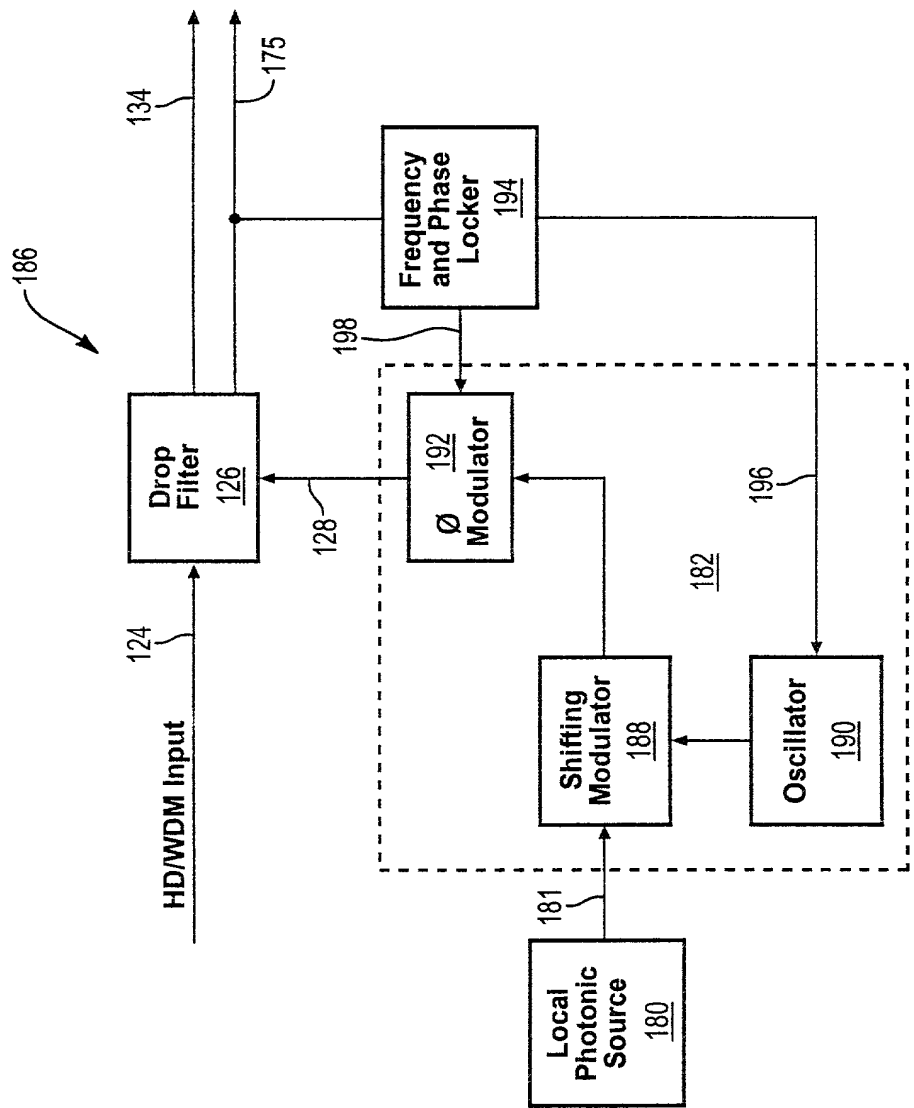
Hyper Dense Frequency Shifted Signals

FIG. 15



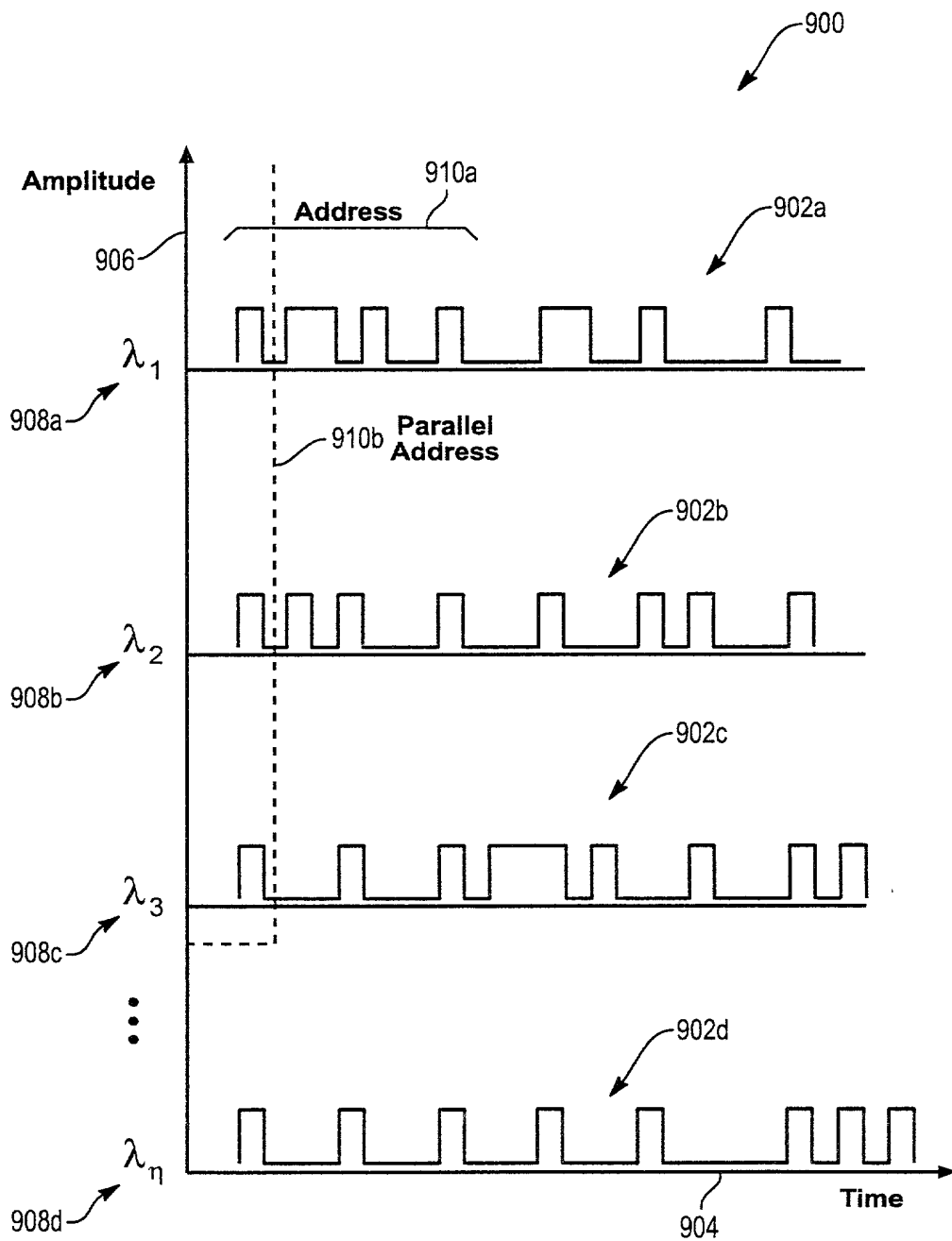
WDM Demux With Subscriber Tracking

FIG. 16



Channel Separation Assembly

FIG. 17



Multi-Wavelengths Packet

FIG. 18